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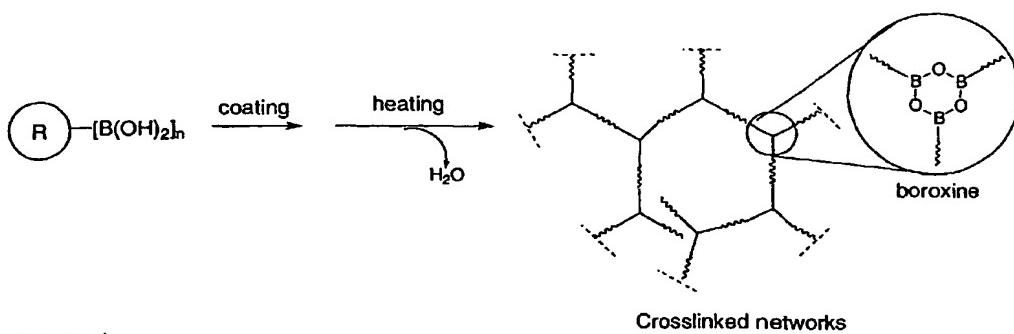
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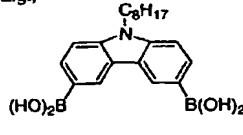
(54) Title: THERMALLY CROSSLINKABLE MATERIALS AND MULTI-LAYERED DEVICES THEREFROM



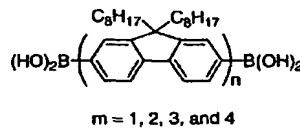
n = or >1;

R = organic or organometallic complex moiety including oligomer and polymer.

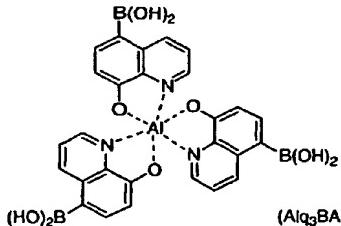
E.g.,



(CzBA)



(F_nBA)



(Alq₃BA)

(57) Abstract: The invention disclosed relates to cross-linkable composites of boronic acid or a boronic acid derivative such as a boronate, and an organic or organo-metallic moiety having a functionality such as hole transporting, electron transporting and light emitting, to cross-linked composites and to methods for making same. Multi-layer materials and optoelectronic devices including such cross-linked composites are also disclosed.



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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